

WHAT IS CLAIMED IS:

1. A method for generating a transactional database statement based on an existing database statement, comprising:
 - parsing the existing database statement to identify fields and corresponding field attributes;
 - utilizing one or more interfaces for receiving input regarding the transactional statement; and
 - generating the transactional database statement based on the identified fields and user input.
2. The method of claim 1, wherein the transactional database statement is one of: an insert statement, an update statement, and a delete statement.
3. The method of claim 2, wherein generating the transactional database statement based on the identified fields and user input comprises:
 - generating a transactional statement with one or more of the identified fields;
 - and
 - populating one or more of the fields with input received via the one or more interfaces.
4. The method of claim 1, further comprising attaining metadata regarding one or more of the identified fields.
5. The method of claim 1, wherein utilizing the one or more interfaces comprises:
 - generating at least one graphical user interface for receiving input from a user, wherein the graphical user interface allows the user to specify one or more records to affect with the transactional statement.

6. The method of claim 5, wherein utilizing the one or more interfaces further comprises:

issuing a query to retrieve data related to at least one record specified by the user via the graphical user interface; and
displaying the data retrieved in the graphical user interface.

7. The method of claim 6, wherein:

the transactional statement is an update statement;
the graphical user interface allows the user to make changes to at least a portion of the retrieved data; and
submit the changes to the database via the transactional database statement.

8. The method of claim 7, wherein:

the graphical user interface allows the make changes data related to more than one record; and
submit the changes to the database via the transactional database statement.

9. The method of claim 5, further comprising providing the user access to the graphical user interface screen via a plug-in component to an application.

10. A computer-readable medium containing a program for generating a transactional database statement based on an existing database statement which, when executed by a processor, performs operations comprising:

parsing the existing database statement to identify fields and corresponding field attributes;
generating one or more interfaces for receiving input regarding the transactional statement; and
generating the transactional database statement based on the identified fields and user input.

11. The computer-readable medium of claim 10, wherein the transactional database statement is one of: an insert statement, an update statement, and a delete statement.
12. The computer-readable medium of claim 10, wherein generating the transactional database statement based on the identified fields and user input comprises:
 - generating a transactional statement with one or more of the identified fields;
 - and
 - populating one or more of the fields with input received via the one or more interfaces.
13. The computer-readable medium of claim 10, wherein generating the one or more interfaces comprises:
 - generating at least one graphical user interface for receiving input from a user, wherein the graphical user interface allows the user to specify one or more records to affect with the transactional statement.
14. The computer-readable medium of claim 13, wherein generating the one or more interfaces further comprises:
 - issuing a query to retrieve data related to at least one record specified by the user via the graphical user interface; and
 - displaying the data retrieved in the graphical user interface.
15. A data processing system comprising:
 - a database;
 - an existing query statement;
 - a query interface allowing users to issue query statements against the database; and

a transaction manager configured to generate a transactional statement against the database based on fields and corresponding field attributes of the existing query statement.

16. The data processing system of claim 15, wherein the transaction manager is configured to generate the transactional statement against the database by:

parsing the existing database statement to identify the fields and corresponding field attributes;

generating one or more interfaces for receiving input regarding the transactional statement; and

generating the transactional database statement based on the identified fields and user input.

17. The data processing system of claim 15, wherein the transaction manager is configured to attain, from the database, metadata for use in generating the transactional statement.

18. The data processing system of claim 15, further comprising one or more plug-in components allowing access to the one or more interfaces from the query interface.

19. The data processing system of claim 18, wherein the one or more plug-in components provide access to an interface for entering input to be used in an insert transactional statement.

20. The data processing system of claim 18, wherein the one or more plug-in components provide access to an interface for updating a record.

21. The data processing system of claim 20, wherein the one or more plug-in components provide access to an interface for updating multiple records.

ROC920030279US1

21. The data processing system of claim 20, wherein the database is one of: a relational database, an object-relational database, an XML database, and a relational database.